BRUHAT BANGALORE MAHANAGARA PALIKE

MEASUREMENT SHEET

RA 1ST AND PART BILL

Name of work: Improvements to Roads and Drains at BEL Layout 3rd Block and Balance reaches of NTI Layout in Ward No. 09 (Vidyaranyapura).

Estimated Cost : Rs. 22.00 Lakhs

Job Code: 009-22-000006

Head of Account : P-3726 Zonal Public Works - POW Works

Name of Agency: Sri. Subba Reddy K.V, No. 106/B, Aswathnagara, RMV 2nd Stage, Bangalore - 560094.

Work order No: BBMP/EE/BTP/WO/25/2022-23 Dated: 25-04-2022.

Measurements Recarded on :

Sl No.	Description	No.	L	B1	B2	Av.,B	D	Qty	Rate / Unit	Amount
1	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.								Cum	
	Qty as per Premeasurement vide E-MB Page No. 01 to 02 is =							**203.54**	191.20	**38917.00**
2	Removing and refixing stone slabs of drains and pointing in CM (1:3)								Sqm	
	Qty as per Premeasurement vide E-MB Page No. 03 is =							**309.15**	87.25	**26973.00**
3	Providing granite slabs of selected quality roughly dressed having a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete								Sqm	
	Damaged Slabs & Missing Slabs									
	From Sketting Ground to MES School Road E/S	1	8.60				1.35	11.61		
		1	5.60				1.35	7.56		
		1	6.80				1.35	9.18		
		1	4.80				1.35	6.48		
	From Skeeting Ground to MES School Road W/S									
		1	5.60				1.35	7.56		
		1	4.60				1.35	6.21		
		1	5.00				1.35	6.75		
		1	6.50				1.35	8.78		
								64.13		
								63.68	581.73	**37045.00**

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Assistant Engineer
Ward No. 09

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B.B.M.P, Bangalore - 97

Sl No.	Description	No.	L	B1	B2	Av.,B	D	Qty	Rate / Unit	Amount
	Measurements Recarded on :									
4	Providing and laying **Plain cement concrete of mix 1:3:6 with with OPC cement @ 220kgs, with crushed 40mm** and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @ 0.56cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications								Cum	
	Qty as per Premeasurement vide E-MB Page No. 04 is =							**4.05**	4250.80	**17216.00**
5	Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6, edges of stones** chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.								Cum	
	Culverts 1st Course									
	12th Cross BEL Layout 3rd Block	2	7.50			0.60	0.45	4.05		
	11th Cross BEL Layout 3rd Block	2	10.30			0.60	0.45	5.56		
	2nd Course									
	12th Cross BEL Layout 3rd Block	2	7.50			0.45	0.45	3.04		
	11th Cross BEL Layout 3rd Block	2	10.30			0.45	0.45	4.17		
								16.82		
								14.18	4556.60	**64613.00**

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Sl No.	Description	No.	L	B1	B2	Av.,B	D	Qty	Rate / Unit	Amount
	Measurements Recarded on :									
6	Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications.								Sqm	
	12th Cross BEL Layout									
	From Sketting Ground opp to Cross Road E/S	2	15.00				0.40	12.00		
		2	15.60				0.40	12.48		
	Cross Road to MEL School Road	2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	15.00				0.60	18.00		
		2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	2.50				0.40	2.00		
	From Sketting Ground opp to MES School W/S	2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	15.00				0.60	18.00		
		2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	15.00				0.60	18.00		
		2	15.00				0.60	18.00		
		2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	10.00				0.40	8.00		
								370.48		
								366.40	767.88	**281351.00**

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Sl No.	Description	No.	L	B1	B2	Av.,B	D	Qty	Rate / Unit	Amount
	Measurements Recarded on :									
7	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, for coping. Including cost of all materials, labour, HOM of machinery, curing complete as per specifications.								Cum	
	Vent Concrete									
	12th Cross BEL Layout E/S	1	5.50			0.45	0.10	0.25		
		1	8.60			0.45	0.10	0.39		
		1	7.50			0.45	0.10	0.34		
		1	6.50			0.45	0.10	0.29		
		1	4.50			0.45	0.10	0.20		
		1	8.50			0.45	0.10	0.38		
	W/S									
		1	11.60			0.45	0.10	0.52		
		1	8.90			0.45	0.10	0.40		
		1	12.60			0.45	0.10	0.57		
		1	12.80			0.45	0.10	0.58		
		1	6.50			0.45	0.10	0.29		
		1	6.50			0.45	0.10	0.29		
		1	5.50			0.45	0.10	0.25		
	Coping Concrete									
	12th Cross BEL Layout									
	From Sketting Ground opp to Cross Road E/S	2	15.00			0.20	0.10	0.60		
		2	15.60			0.20	0.10	0.62		
	Cross Road to MEL School Road	2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	2.50			0.20	0.10	0.10		
	From Sketting Ground opp to MES School W/S									
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	15.00			0.20	0.10	0.60		
		2	10.00			0.20	0.10	0.40		

Sl No.	Description	No.	L	B1	B2	Av.,B	D	Qty	Rate / Unit	Amount
	Culverts									
	Coping Concrete									
	12th Cross BEL Layout 3rd Block	1	7.50			1.50	0.10	1.13		
	11th Cross BEL Layout 3rd Block	1	10.30			1.50	0.10	1.55		
	Ramp						Av.			
		2	7.50			1.00	0.15	2.25		
		2	10.30			1.00	0.15	3.09		
								30.68		
								30.02	4390.40	**131800.00**

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Sl No.	Description	No.	L	B1	B2	Av.,B	D	Qty	Rate / Unit	Amount
	Measurements Recarded on :									
8	Providing **precast slab of 100 mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge- Data rate.								Sqm	
	12th Cross BEL Layout									
	From Sketting Ground to MES School Road E/S	51	0.75			0.60		22.95		
		15	0.75			0.60		6.75		
		10	0.75			0.60		4.50		
		3	0.75			0.60		1.35		
		9	0.75			0.60		4.05		
		2	0.75			0.60		0.90		
		2	0.75			0.60		0.90		
		10	0.75			0.60		4.50		
		11	0.75			0.60		4.95		
		19	0.75			0.60		8.55		
		6	0.75			0.60		2.70		
		6	0.75			0.60		2.70		
		1	0.75			0.60		0.45		
		11	0.75			0.60		4.95		
		7	0.75			0.60		3.15		
		5	0.75			0.60		2.25		
	W/S							0.00		
		17	0.75			0.60		7.65		
		13	0.75			0.60		5.85		
		33	0.75			0.60		14.85		
		14	0.75			0.60		6.30		
		33	0.75			0.60		14.85		
		10	0.75			0.60		4.50		
		33	0.75			0.60		14.85		
		14	0.75			0.60		6.30		
		13	0.75			0.60		5.85		
		12	0.75			0.60		5.40		
		1	0.75			0.60		0.45		
								162.45		
								162.00	1832.20	**296816.00**

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Sl No.	Description	No.	L	B1	B2	Av.,B	D	Qty	Rate / Unit	Amount
	Measurements Recarded on :									
9	Providing **precast slab of 100 mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge- Data rate.								Sqm	
	12th Cross BEL Layout	17	1.50			0.60		15.30		
	11th Cross BEL Layout	13	1.50			0.60		11.70		
								27.00		
								24.30	4247.70	**103219.00**
	Sub Total									**997950.00**
	GST @ 12%									**119754.00**
									Total	**1117704.00**

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